HP Scanning Imager 1100

HP's scanning imagers offer a reliable, HP-proven development platform with low total cost of ownership. For OEMs that value the advantages and convenience of thermal inkjet technology (TIJ) and the competitive edge of partnering with a technology leader, HP's scanning imagers offer unprecedented value.

The HP Scanning Imager 1100 offers:

- Fast 3.4 inches per second scanning imager speeds, with unattended color printing using a wide 7/8-inch printhead
- Customer-replaceable printheads and high-capacity ink supplies for low total costs
- A desktop printer development platform for high-throughput, high-quality color printing on smaller media such as labels and personal identification products

Powerful performance, low total cost of ownership, unattended printing and overall ease of integration combine for the functionality you and your customers want from a high-volume print engine.

Fast and reliable HP print mechanism

Based upon HP's fast and sturdy HP OfficeJet Pro platform, the HP Scanning Imager 1100 is built to perform and last using proven HP technology.

The HP Scanning Imager 1100 includes:

- Print mechanism up to 8.5 x 6000-inch (W x L) scanning print zone
- Two printhead stalls
- Four ink cartridge stalls
- Printhead service station
- Proven path for flexible media

The HP Scanning Imager 1100 delivers blazing speed and high quality with its ability to use 7/8-inch high, 1200 dpi printheads. Its 4,224 nozzles per imager mean reliable, trouble-free printing.

The HP Scanning Imager 1100, available through December 2016, provides easy access to the printing supplies and works with most popular operating systems, including Microsoft® Windows® XP, Windows® Vista and Windows® 7 (pending).

Low total cost

When you're able to print unattended jobs overnight, your throughput increases dramatically. The HP Scanning Imager 1100, with high-capacity ink cartridges, lets you do just that: set up a job, hit print and walk away. Front panel lights indicate when supplies are low, so an operator can see printer status from across the room, saving time.

The ink cartridges have separate, long-life HP printheads—so you aren't paying for extra parts before you need them. Just replace the ink or printhead as needed. The easy-to-use ink cartridges and printheads simply snap in and out, adding further convenience and value.

HP water-based inks are contained in the cartridge—there's no need to handle messy or dangerous solvents or invest in VOC fume extraction hoods or HEPA filters.

HP's advanced printing technology

The HP Scanning Imager 1100 features HP's Scalable Printing Technology and advanced HP dye and pigment inks.

The sophisticated assembly of the HP Scalable Printing Technology printhead enables a faster development cycle at a lower cost. The printhead components are fabricated as one unit, resulting in the precise alignment of the chamber, nozzles and heating element, which further improves the accuracy of the ink placement. The Scalable Printing Technology supports an increased nozzle density with an industry-leading 4,224 nozzles per imager. This allows higher-quality, consistent printing at faster speeds—you'll get the same great results from print to print. Resolution is up to 1200 x 1200 dpi in color.

The HP Scanning Imager 1100 features a four-color HP ink system with precise, accurate colors using dye color inks and a choice of pigment or dye black. Whether your solution is dye or pigment-based, separate dye/pigment-compatible bi-color printheads in black/yellow and cyan/magenta, and large separate ink cartridges keep intervention and running costs at a minimum.

Customization

The HP Scanning Imager 1100 offers a proven printer platform that can be easily customized and integrated by OEMs.

HP application engineers work closely with OEMs, providing tools and guides to ensure quick and easy integration, with firmware that can be tuned to specific OEM applications.

Software drivers can be tailored to present a feature-rich user interface (with or without OEM brand identity) or can be simplified to offer only the functions required for the application. Printer-driven GPIOs (general purpose input/output) can be programmed for OEM-specific uses.

HP's application engineers are there to help integrate the imager into your solutions. OEMs can amortize their development costs over a long period, since typical product life is five years.

Why choose HP?

HP is the worldwide leader in imaging and printing technologies. We bring innovative, reliable, clean and easy-to-use solutions to a variety of industrial markets. As pioneers of thermal inkjet printing, HP knows the technology inside and out.

HP Scanning Imager 1100

Technical specifications

	CG319A
Print speed	Up to 3.4 inches per second
Media width	2.5" minimum and 8.5" maximum
Borderless printing	Up to 8.5 inches wide
Print resolution	Up to 1200 x 1200 dpi
Interfaces	USB 2.0, built-in wired Ethernet, GPIO
Printer driver support	32 and 64 bit for Windows® XP, Windows® Vista and Windows® 7 (planned)
Firmware	Customizable sequence and field upgradeable
Power consumption	Active: 28 watts, Standby/Ready: 6 watts, Off: (240 V): 0.6 watts; (110V): 0.4 watts
Power supply type	External universal power supply
Power requirements	Input voltage 110 to 127 VAC (± 10 percent), 50/60 Hz (±2 Hz); 220 to 240 VAC (±10 percent), 50/60 Hz (±2 Hz)
Acoustics	Power: LwAd 6.8 (BA)
	Pressure: (bystander): LpAD 61 (dBA)
Operating environment	Operating temperature: 15° to 35° C; Recommended operating temperature: 20° to 30° C; Relative operating humidity: 20% to 80%
Non-operating environment	Storage temperature: -40° to 60° C; Relative humidity: 10% to 80%
Dimensions	19.35 x 11.81 x 8.37-inch; 496 x 300 x 212.5 mm (W x D x H)
Weight	19 lb/7.9kg (scanning imager only)

Ink cartridge technical specifications





	CG317A	CB890A	CG311A	CG312A	CG313A
Ink cartridge	Black XL dye	Black XL pigment	Cyan XL dye	Magenta XL dye	Yellow XL dye
Average delivered ink (ccs)	69 ml	66 ml	28 ml	28 ml	28 ml
Recommended operating conditions	15° to 35° C, 20% to 80% RH	15° to 35° C, 20% to 80% RH	15° to 35° C, 20% to 80% RH	15° to 35° C, 20% to 80% RH	15° to 35° C, 20% to 80% RH
Shipping and storage conditions	Approx. 15° to 35° C,	Approx. 15° to 35° C,	Approx. 15° to 35° C,	Approx. 15° to 35° C,	Approx. 15° to 35° C,
	20% to 80% RH	20% to 80% RH	20% to 80% RH	20% to 80% RH	20% to 80% RH

Printhead technical specifications



	CG316A	CG371A	CG372A
Printheads	Black/yellow dye	Black pigment/yellow dye	Cyan/magenta dye
Resolution	1200 dpi	1200 dpi	1200 dpi
Nozzel count	2112	2112	2112
Print swath	7/8-inch (22.23 mm)	7/8-inch (22.23 mm)	7/8-inch (22.23 mm)
Maximum firing frequency	24 kHz	24 kHz	24 kHz
Average drop volume	9 pl	9 pl	6 pl
Recommended operating conditions	15° to 35° C, 20% to 80% RH	15° to 35° C, 20% to 80% RH	15° to 35° C, 20% to 80% RH
Shipping and storage conditions	Approx. 5° to 40° C,	Approx. 5° to 40° C,	Approx. 5° to 40° C,
	20% to 80% RH	20% to 80% RH	20% to 80% RH

For one time only during the life of the product, cartridges and printheads can withstand a temperature profile of approximately -40°C to 60°C, with 10% to 80% RH.

HP Scanning Imager 1100

Frequently asked questions

Who are the intended users of the HP Scanning Imager 1100?

Companies that need fast, on-demand desktop printing of customized images on inkjet-printable media. Ideal for unattended, continuous form printing on labels, postcards, personal identification products and more.

What are the key advantages of the imager?

- **Powerful performance** Prints up to 3.4 inches per second with large-capacity, high-quality HP Vivera Ink print cartridges with cost-saving customer-replaceable printheads.
- **Low total cost of ownership** A great overall value for high-quality, professional results with low investment costs and overall low cost per copy.
- **Easy integration** OEMs can quickly and easily integrate the imager into their custom applications.

What are the advantages of HP Thermal Inkjet (TIJ) Technology?

- **Cost-effective** Requires no warm-up cycle and no downtime. When it's time to replace an ink cartridge or printhead, replace only the one that needs replacing.
- **Clean and easy to use**. With thermal inkjet technology, there is no need for service technicians qualified to handle volatile solvents, and no noxious fumes. No special training is required to operate and maintain thermal inkjet printers. The ink cartridges and printheads snap in and out for easy replacement.
- **Fast** Thousands of tiny nozzles firing at high frequency allow high-quality printing at high speeds.
- **Reliable** HP TIJ is less sensitive to air bubbles in the firing chamber than other printing technologies are, avoiding print-quality problems and delays caused by trapped air.
- **Flexible** Supports a wide variety of media.
- **High quality** HP TIJ places smaller drops more accurately, producing consistently superb image and text quality.

Ordering information

Part number	Description
CG319A	HP Scanning Imager 1100
CB903A	HP Scanning Imager software license
CG317A	Black XL dye ink cartridge
CB890A	Black XL pigment ink cartridge
CG311A	Cyan XL dye ink cartridge
CG312A	Magenta XL dye ink cartridge
CG313A	Yellow XL dye ink cartridge
CG316A	Black/yellow dye printhead
CG371A	Black pigment/yellow dye printhead
CG372A	Cyan/magenta dye printhead

Contact information

To discuss inkjet technology OEM opportunities with HP

- Go to **www.hp.com/go/oeminkjet** and send us an e-mail message.
- Call 858-655-3524 and leave a voice mail message.
- Mail your inquiry to:
  Hewlett-Packard Company
  Specialty Printing Systems
  Mailstop 66-654
  16399 West Bernardo Drive
  San Diego, CA 92127 USA

To learn more, visit www.hp.com/go/oeminkjet

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